

Title (en)
MANUFACTURING METHOD FOR HOLLOW COMPONENTS MADE OF FIBER-COMPOSITE MATERIALS IN A HOSE-LIKE STRUCTURE, FILM HOSE AND MANUFACTURING METHOD FOR A FILM HOSE

Title (de)
HERSTELLUNGSVERFAHREN FÜR HOHLBAUTEILE AUS FASERVERBUNDWERKSTOFFEN IN SCHLAUCHBAUWEISE, FOLIENSCHLAUCH UND HERSTELLUNGSVERFAHREN FÜR EINEN FOLIENSCHLAUCH

Title (fr)
PROCÉDÉ DE PRODUCTION À LA VESSIE D'ÉLÉMENTS CREUX EN MATÉRIAUX COMPOSITES FIBREUX, VESSIE TUBULAIRE ET PROCÉDÉ DE PRODUCTION D'UNE VESSIE TUBULAIRE

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Abstract (en)
[origin: WO2010035125A2] The invention relates to a manufacturing method for hollow components using a film hose (1) and a molding tool (3), comprising the following steps: Introducing a plastic tool in the area of an inner surface (4a, 4b) of the molding tool (3), forming the material onto the inner surface (4a, 4b) of the molding tool (3), introducing a film hose (1) into the molding tool (3) so that the material is positioned between an outer surface of the film hose (1) and the molding tool (3), expanding the film hose (1) using pressure and/or vacuum, introducing a pressure (p) greater than atmospheric pressure and/or heating the molding tool so that the material is entirely or partially melted and is adjusted shape-wise to an inner contour of the molding tool (3) and an outer contour of the expanded film hose (1). To this end, the film hose (1) is shaped prior to introduction into the molding tool (3) such that the contour of said hose in the sectional plane thereof perpendicular to the longitudinal direction of the hose has a plurality of depressions (E) distributed along the periphery of the hose in the direction of the longitudinal direction thereof. The invention further relates to a film hose (1) and to a method for the manufacture thereof.

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